| 1 | th Class 2018 | 选择 |
|---------------|------------------|----------------|
| Physics | Group-l | Paper-II |
| | (Objective Type) | Max. Marks: 12 |
| Fave passible | | and D to see |

Note: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that question with Marker or Pen ink in the answer-book. Cutting or filling two or more circles will result in zero mark in that question.

The relation between v, f and λ of a wave is: 1-1-

- (a) $vf = \lambda$
- (b) $f\lambda = v \sqrt{}$

(c) $v = \frac{\lambda}{f}$

(d) $v\lambda = f$

Which is an example of a longitudinal wave: 2-

- (a) Sound wave √ (b) Light wave
- (c) Radio wave (d) Water wave
- Index of refraction of diamond is: 3-
 - (a) 1.52
- (b) 1.66
- (c) 2.21
- (d) 2.42 $\sqrt{}$

Speed of light in water is:

- (a) $3 \times 10^8 \text{ ms}^{-1}$ (b) $2.3 \times 10^8 \text{ ms}^{-1} \sqrt{}$
- (c) $2 \times 10^8 \,\mathrm{ms}^{-1}$
- (d) $1 \times 10^8 \text{ ms}^{-1}$

S.I unit of charge is:

(a) Kg

(b) Newton

(c) Volt

(d) Coulomb 1/

One volt is equal to:

(a) 1 JC

- (b) 1 JC⁻¹ √
- (c) 1 J/C²
- (d) 1 NC-1

7. When we double the voltage in a simple electric circuit, we double the:

- (a) Current √
- (b) Power
- (c) Resistance
- (d) Both a & b √

| 8- | Mathematical form of Ohm's Law is: | | |
|-----|--|--|--|
| | (a) $P = IV$ (b) $V = IR \sqrt{}$ | | |
| | (c) $Q = It$ (d) $W = Q / V$ | | |
| 9- | A device which converts electrical energy is mechanical energy is called: | | |
| | (a) D.C. motor √ (b) Generator | | |
| | (c) Transformer (d) All of these | | |
| 10- | The process by which electrons are emitted a hot metal surface is known as: | | |
| | (a) Boiling (b) Evaporation | | |
| | (c) Conduction (d) Thermionic emission / | | |
| 11- | What does the term e-mail stand for: | | |
| | (a) Emergency mail (b) Electronic mail √ (c) Extra mail (d) External mail | | |
| 12- | One isotope of uranium is 238 U. The number of | | |
| | neutrons in this isotope is: | | |
| | (a) 92 (b) 238 | | |
| | (c) 146 $\sqrt{}$ (d) 330 | | |
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